INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/41488

			
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B21C 3/02 US CL : 72/467; 76/107.4			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 72/467; 76/107.4			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.
X	US 4,392,397 A (ENGELFRIET et al) 12 July 198 column 5, lines 30-62, and column 6, lines 1-4.	33 (12.07.1983), see Figures 4-7 and	1-5 and 10-17
 Y	column 3, lines 30-62, and column 6, lines 1-4.		6-9 and 18-20
Y	US 2,027,787 A (RIDGWAY et al) 14 January 19: page 4, column 2, lines 35-70.	36 (14.01.1936), see the Figure and	6-8, 19 and 20
Α	US 1,597,927 A (SIMONS) 31 August 1926 (31.08.1926), see Figures 3 and 5.		2
Α	US 4,145,910 A (SCHEEL) 27 March 1979, (27.03.1979), see Figures 1 and 2.		1-20
A	US 4,241,625 A (CORBIN et al) 30 December 1980 (30.12.1980), see Figure 4.		1-20
Α	US 4,260,397 A (BOVENKERK) 07 April 1981 (07.04.1981), see column 5, lines 55-67, and column 6, lines 1-3.		1-20
Further documents are listed in the continuation of Box C. See patent family annex.			
Special categories of cited documents:		"T" later document published after the inter date and not in conflict with the applies	national filing date or priority
	defining the general state of the art which is not considered to be lar relevance	principle or theory underlying the inven	eion
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"P" document published prior to the international filing date but fater than the priority date claimed		"&" document thember of the same patent family	
Date of the actual completion of the international search		Date of milege of the international search report	
	5 (26.04.2005)	Authorized officer	
Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US		Authorized officer Weetk July	
Commissioner for Patents		Darliel C Crane	
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Telephone No. 703-308-1078	The second secon

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